

ABSTRACT OF THE DISCLOSURE

An apparatus comprising a first circuit and a second circuit. The first circuit may be configured to calculate and present an output signal having a first resolution in response to (i) an input signal having a second resolution and (ii) one or more control signals. The second circuit may be configured to generate the control signals in response to (i) a previous calculation by the first circuit and (ii) one or more input parameters. The first circuit may be configured to scale and filter the input signal.